

## CERTIFIED MAIL 7015 3010 0001 0420 1029 RETURN RECEIPT REQUESTED

July 30, 2018

Eddie Terrill, Director Air Quality Division Oklahoma Department of Environmental Quality P.O. Box 1677 Oklahoma City, OK 73101-1677

## ANTELOPE HILLS GAS PLANT

PERMIT NO. 2008-401-TVR ISSUED 4/24/2009; 2008-401-TVR (M-1) ISSUED 4/23/2012; 2008-401-C (M-2) ISSUED 2/6/2015; 2013-1556-TVR2 ISSUED 11/16/2015 NSPS SUBPART KKK AND SUBPART OOOOa SEMIANNUAL REPORT

Dear Mr. Terrill:

ONEOK Field Services Company, L.L.C. (OFS) submits the attached NSPS Subpart KKK and Subpart OOOOa Semiannual Monitoring Report for Antelope Hills Gas Plant located in Roger Mills County. This report covers the period from January 1, 2018 through July 30, 2018.

Please contact Maria Collard at (580) 816-4515 or me at (918) 591-5009 with any questions regarding this report.

Sincerely,

W. Parke Moore

Corporate LDAR Program Manager

Attachments:

R.O. Certification

Antelope Hills Gas Plant - Semiannual LDAR Monitoring Reports

cc: Director; Air, Pesticides and Toxics Division

USEPA, Region VI 1445 Ross Avenue, Dallas, TX 75202

CERTIFIED MAIL 7015 3010 0001 0420 1036 RETURN RECEIPT REQUESTED

M. Collard/R. Harris/J. Martin/C. Sadler/R. Cole/D. Droegemueller/R. Brown/Antelope Hills Gas Plant Semiannual KKK/OOO0a (.pdf)

Tulsa Environmental Files - Antelope Hills (including Crawford) - OK - LDAR SAR

ONEOK Field Services Company 100 West Fifth Street Tulsa, OK 74103 www.oneok.com

## **CERTIFICATION**

## **FOR**

# NSPS SUBPART KKK/OOOOa SEMIANNUAL MONITORING REPORT JANUARY 1, 2018 through JUNE 30, 2018

Facility Name: Antelope Hills Gas Plant

Facility Permit No.: 2013-1556-TVR2 ISSUED 11/16/2015

Facility Location: SE/4 of Sec. 30, T16N, R24W, Roger Mills County, OK

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Name of Responsible Official (print or type): David B. Droegemueller

Title: Director - OFS Operations

Signature: Dave B Dwylle Date: July 30, 2018

# ONEOK Field Services Company, L.L.C. Antelope Hills Gas Plant

NSPS SUBPART KKK/SUBPART 0000a LDAR MONITORING REPORT JANUARY 1, 2018 through JUNE 30, 2018



July 5, 2018

ONEOK 2001 South Highway 81 / PO Box 29 Medford, Oklahoma 73759-5133

Attention: Patrick Allison

Re:

Semi-annual Report

Facility: Antelope Hills NGL

Reporting Period - From January/2018 to June/2018

Mr. Allison,

Dexter ATC Field Services (Dexter) is pleased to submit this NSPS KKK semi-annual report. This report complies with the requirements of:

60.636(a) and (c) (NSPS KKK)

As part of your semi-annual report, please submit the following items provided by Dexter ATC Field Services:

- Semi-annual Equipment Leak Report A summary of total monitored, leaked, not repaired in 15 days, and delay of repair items for each equipment category grouped by Process Unit.
- 2.) Delay of Repair Report Lists each delay of repair component for the reporting period, the explanation for why repair was delayed, and current status. Please note, this report must be signed prior to submittal to the agency.
- 3.) Component-New Report A list of components added since the previous semi-annual report.
- 4.) Component-RFS (Removed From Service) Report A list of components deleted since the previous semi-annual report.
- 5.) Semi-annual-Details-No Detectable Emissions Report A list of components classified as "no detectable emission" components and associated monitoring for the report period. Please note, this report must be signed prior to submittal to the agency.

The following items are included in Dexter ATC Field Services report package but do not need to be submitted with the semi-annual report. These items are for facility record purposes only, and are intended for report quality checking by the client.

- LDAR Program Comments Summary Report This report is designed to be used in tandem with the Semi-annual Equipment Leak Report to allow efficient quality checks by the client.
- Component-Count Totals by Regulation (With or without chemical state) A
  summary of total equipment by unit, equipment category, regulation, and monitor
  frequency. This report is used to quality check the total components monitored on the
  Semi-annual Equipment Leak Report and verify the statement contained in the LDAR
  Program Comments Summary Report.

Please note the following reports are the responsibility of the facility to provide and submit in addition to the reports provided by Dexter Field Services, LP:

- 1. Times and Duration of each unit shutdown during the reporting period.
- 2. Notification of skip period monitoring option.

No regulatory variances were reported at your facility during this semi-annual reporting period.

We appreciate your business and the opportunity to service your leak detection program. If you have any questions or comments, please call my mobile at (713) 820-0652.

Sincerely,
Dexter ATC Field Services

Teddy Andrews Project Manager

# Semiannual Equipment Leak Report (Process Unit) 60.487.c

Date Range:

1/1/2018

to 6/30/2018 11:59:59 PM

Proc Unit: Program: NGL Skid NSPS KKK

Citation	Compressor	January	February	March	April	May	June
2.164 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154 - 1.154	Phase Type: All	THE TAKES		TEMPOST TOWN		74.40 0.73	14 10 0 4
N/A	Total Inspected	0	0	0	0	0	0
60.487.c.2.v	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
60.487.c.2.vi	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Press Relief Device	January	February	March	April	May	June
	Phase Type: All	17000			Practice of		- N. P. P.
N/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Pump	January	February	March	April	May	June
	Phase Type: All			W. F	r de la Mari	Legitla	12962 III
N/A	Total Inspected	0	0	1	0	0	0
60.487.c.2.iii	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	0.00%	N/A	N/A	N/A
60.487.c.2.iv	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Valve	January	February	March	April	May	June
	Phase Type: All		-17 E.B.			1722 17	
N/A	Total Inspected	0	0	61	0	0	60
60.487.c.2.i	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	0.00%	N/A	N/A	0.00%
60.487.c.2.ii	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0

## Semiannual Equipment Leak Report (Process Unit) 60.487.c

Date Range:

1/1/2018

to 6/30/2018 11:59:59 PM

Proc Unit: Program: NGL Skid NSPS KKK

Unit Downtime Summary \*\* see below

Citation

Unit Down Start

Unit Down Stop

## NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.

Total Leaks = Total number of leaks detected including by AVO methods.

Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.

Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.

Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.

New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

<sup>\*\*</sup> If there were no DOR items during the semi-annual reporting period, no unit downtime information is required.

# DOR - Date Range - Process Unit (RPT 488)

Oneok - Antelope Hills NGL ALL NSPS KKK 1/1/2018 to 6/30/2018

Proc Unit:

Regulation: Date Range:

to 6/30/2018 11:59:59 PM

Tag Name	Equip Cat/Type	,/be	Description	Source of Leak	
Start Date	End Date Reading	Reading	Reason for Delay	Approver	Exp Shutdown Date
DOR Memo:					

DOR ProC Unit Totals: 0

# DOR - Date Range - Process Unit (RPT 488)

Oneok - Antelope Hills NGL ALL NSPS KKK 1/1/2018 to 6/30/2018 Site:

Proc Unit:

Regulation: Date Range:

to 6/30/2018 11:59:59 PM

Regulation Totals: 0

Approval Signature:

Page 2 of 2

6/26/2018 3:02:51 PM

# 6/26/2018 3:02:03 PM Page 1 of 3

# Monitor - Details-NDE-With Type - Process Unit (RPT 497)

ite:	Oneok - Antelope Hills NGL
tran Ilait.	NIGI Chid

NSPS KKK Regulation: Date Range:

Date Range:	7/1/2017	to 6/30/2018 11:59:59 PM	11:59:59 PM											
Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Jon Frequency Vis. Frequency	cvs	NDE	Result Date	Reading Leak Def Tech	Leak Def	Tech	Inst B	Inst Background	pul
922201	Pump	Canned Pump	Light Liquid	Yearly (Mar)	Never (SS)		>	3/8/2018 2:19:01 PM	5	200	0626	02515415	0	
922202	Valve	V-Regulator	Light Liquid	Yearly (Mar)	Never (SS)		2	3/8/2018 2:21:53 PM	5	200	0626	0626 02515415	0	

Oneok - Antelope Hills NGL

NGL Skid Proc Unit: Regulation:

NSPS KKK 7/1/2017 Date Range:

to 6/30/2018 11:59:59 PM

Mon Frequency Vis. Frequency Chem State Equip Type Equip Category Tag Name

Reading Leak Def Tech Inst Background

**Result Date** 

NDE

CVS

Proc Unit Totals: 2

# Page 3 of 3 6/26/2018 3:02:03 PM

# Monitor - Details-NDE-With Type - Process Unit (RPT 497)

Oneok - Antelope Hills NGL

NGL Skid Proc Unit: Regulation:

NSPS KKK 7/1/2017

Date Range:

Tag Name

to 6/30/2018 11:59:59 PM Equip Category

Chem State Equip Type

Mon Frequency Vis. Frequency

**Result Date** NDE

CVS

Reading Leak Def Tech Inst Background

Signature:

Dexter Field Services-Reporter 5.9

Dexter Field Services-Reporter 5.9

Printed by: marquita-a

# COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Oneok - Antelope Hills NGL ALL NSPS KKK

Proc Unit:

Regulation:

1/1/2018 Date Range:

to 6/30/2018 11:59:59 PM

Description

**Equip Type** 

Equip Category

Tag Name

Size

Chem State Frequency Explanation

Reason Added

Install Date

# COMPONENT – ADDED – PROCESS UNIT (RPT 481)

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Oneok - Antelope Hills NGL

ALL NSPS KKK Proc Unit: Regulation:

to 6/30/2018 11:59:59 PM 1/1/2018 Date Range:

Install Date

Reason Added

Chem Size State Frequency Explanation

Description Equip Type Tag Name Equip Category

Prod Area Total: 0

Page 2 of 2 6/26/2018 2:58:09 PM

> Dexter Field Services-Reporter 5.9 Printed by: marquita-a

# Component - Deleted - Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Oneok - Antelope Hills NGL

Proc Unit:

ALL NSPS KKK Regulation:

Tag Name

2 1/1/2018 Date Range:

Description Equip\_Type Equip Category

**RFS** Date

Reason Removed

Chem State Frequency Explanation

Size

6/30/2018 11:59:59 PM

Dexter Field Services-Reporter 5.9

# Component - Deleted - Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Oneak - Antelope Hills NGL

Proc Unit:

ALL NSPS KKK

Regulation:

6/30/2018 11:59:59 PM ţ 1/1/2018 Date Range:

Description Equip\_Type Tag Name Equip Category

**RFS Date** 

Reason Removed

Chem State Frequency Explanation

Size

Proc Unit Total: 0

Page 2 of 2 6/26/2018 2:58:28 PM

**Dexter Field Services-Reporter 5.9** 

telope Hills NG	
Oneak - An	
te:	0.00

ALL NSPS KKK 7/1/2017 Proc Unit: Regulation: Date Range:

Date Range:	7/1/2017	to 6/30/2018	/30/2018 11:59:59 PM									
Tag Name	Equip Category	Equip Type	Chem State	Mon Frequency	Vis. Frequency	S	NDE	Result Date	Reading	Leak Def Tech	Inst B	ackground
						[4]	TE					

Oneok - Antelope Hills NGL

Proc Unit:

Regulation:

ALL NSPS KKK 7/1/2017 Date Range:

Chem State Mon Frequency Vis. Frequency CVS to 6/30/2018 11:59:59 PM Equip Type Equip Category

Reading Leak Def Tech Inst Background

Result Date

NDE

Proc Unit Totals: 0

Tag Name

# Page 3 of 3 6/26/2018 3:01:38 PM

# Monitor - Details-CVS-With Type - Process Unit (RPT 496)

Oneok - Antelope Hills NGL

ALL NSPS KKK Regulation: Proc Unit:

7/1/2017 Date Range:

to 6/30/2018 11:59:59 PM

**Equip Type Equip Category** 

Tag Name

Chem State

Mon Frequency Vis. Frequency

NDE SS

Result Date

Reading Leak Def Tech Inst Background

Signature:



July 5, 2018

ONEOK 605 Loomis Road Weatherford, OK 73096

Attention: Maria Collard

Re: Semi-annual Report

Facility: Antelope Hills

Reporting Period - From January/2018 to June/2018

Mrs. Collard,

Dexter ATC Field Services (Dexter) is pleased to submit this NSPS OOOOa semi-annual report. This report complies with the requirements of:

60.5422a(a) NSPS OOOOa

As part of your semi-annual report, please submit the following items provided by Dexter ATC Field Services:

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- 1. Times and Duration of each unit shutdown during the reporting period.
- 2. Notification of skip period monitoring option.

No regulatory variances were reported at your facility during this semi-annual reporting period.

We appreciate your business and the opportunity to service your leak detection program. If you have any questions or comments, please call my mobile at (713) 820-0652.

Sincerely, Dexter ATC Field Services

Teddy Andrews Project Manager

# Semiannual Equipment Leak Report (Process Unit) Complies with 60.5422a(a)

Date Range: 1/1/2018 to 6/30/2018 11:59:59 PM

Proc Unit: CONDENSATE Program: NSPS 0000a

Citation	Compressor	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	1	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Connector	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
60.487a(c)(2)(vii)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
60.487a(c)(2)(viii)		0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Press Relief Device	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	5	0	0	5	0	0
60.5422a(c)(1)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
60.5422a(c)(2)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Pump	January	February	March	April	May	June
Oltation	Phase Type: All						
N/A	Total Inspected	1	1	1	1	1	1
60.487a(c)(2)(iii)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60.487a(c)(2)(iv)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Valve	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	108	0	0	108	0	0
60.487a(c)(2)(i)	Total Leaks		0	0	0	0	0
N/A	Leak Percent		N/A	N/A	0.00%	N/A	N/A
60.487a(c)(2)(ii)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
	New DOR Total		0	0	0	0	0
N/A	New DOR Lotal						

## Semiannual Equipment Leak Report (Process Unit) Complies with 60.5422a(a)

Date Range:

1/1/2018

6/30/2018 11:59:59 PM

Proc Unit: Program:

CONDENSATE

NSPS 0000a

Unit Downtime Summary \*\* see below

Citation

Unit Down Start

Unit Down Stop

## NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.

Total Leaks = Total number of leaks detected including by AVO methods.

Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.

Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.

Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.

New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

<sup>\*\*</sup> If there were no DOR items during the semi-annual reporting period, no unit downtime information is required.

## Semiannual Equipment Leak Report (Process Unit)

Complies with 60.5422a(a)

Date Range: 1/1/2018 to 6/30/2018 11:59:59 PM

Proc Unit: CRAWFORD INLET/COMP

Program: NSPS 0000a

Citation	Compressor	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Connector	January	February	March	April	May	June
	Phase Type: All	THE REAL PROPERTY.					
N/A	Total Inspected	0	0	0	0	0	0
60.487a(c)(2)(vii)		0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
60.487a(c)(2)(viii)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Press Relief Device	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	12	0	0	12	0	0
60.5422a(c)(1)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
60.5422a(c)(2)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Pump	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	4	4	4	4	4	4
60.487a(c)(2)(iii)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60.487a(c)(2)(iv)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Valve	January	February	March	April	May	June
Gigation	Phase Type: All						
N/A	Total Inspected	501	0	0	501	0	0
60.487a(c)(2)(i)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
60.487a(c)(2)(ii)	Not Repaired	0.0070	0	0	0	0	0
	Previous DOR Total	0	0	0	0	0	0
	FIEVIOUS DON TOTAL						
N/A N/A	New DOR Total	0	0	0	0	0	0

Semiannual Equipment Leak Report (Process Unit)

Complies with 60.5422a(a)

Date Range: 1/1/2018 to 6/30/2018 11:59:59 PM

Proc Unit: CRAWFORD INLET/COMP

Program: NSPS 0000a

Unit Downtime Summary \*\* see below

Citation Unit Down Start Unit Down Stop

## NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.

Total Leaks = Total number of leaks detected including by AVO methods.

Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.

Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.

Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.

New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

<sup>\*\*</sup> If there were no DOR items during the semi-annual reporting period, no unit downtime information is required.

# Semiannual Equipment Leak Report (Process Unit)

Complies with 60.5422a(a)

Date Range: 1/1/2018 to 6/30/2018 11:59:59 PM

Proc Unit: UTILITY SYSTEM Program: NSPS 0000a

Citation	Compressor	January	February	March	April	May	June
	Phase Type: All						
V/A	Total Inspected	0	0	0	0	0	0
N/A	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
N/A	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Connector	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	0	0	0	0	0	0
60.487a(c)(2)(vii)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	N/A	N/A	N/A	N/A	N/A	N/A
60.487a(c)(2)(viii)		0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Press Relief Device	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	2	0	0	2	0	0
60.5422a(c)(1)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
60.5422a(c)(2)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Pump	January	February	March	April	May	June
	Phase Type: All						
N/A	Total Inspected	5	5	5	5	5	5
60.487a(c)(2)(iii)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60.487a(c)(2)(iv)	Not Repaired	0	0	0	0	0	0
N/A	Previous DOR Total	0	0	0	0	0	0
N/A	New DOR Total	0	0	0	0	0	0
N/A	Total DOR	0	0	0	0	0	0
Citation	Valve	January	February	March	April	May	June
Jiadon .	Phase Type: All						
N/A	Total Inspected	61	0	0	61	0	0
60.487a(c)(2)(i)	Total Leaks	0	0	0	0	0	0
N/A	Leak Percent	0.00%	N/A	N/A	0.00%	N/A	N/A
60.487a(c)(2)(ii)	Not Repaired	0.0070	0	0	0	0	0
		0	0	0	0	0	0
							13.00
N/A N/A	Previous DOR Total  New DOR Total		0	0	0	0	0

# Semiannual Equipment Leak Report (Process Unit) Complies with 60.5422a(a)

Date Range:

1/1/2018

to 6

6/30/2018 11:59:59 PM

Proc Unit: Program: UTILITY SYSTEM NSPS OOOOa

Unit Downtime Summary \*\* see below

Citation

Unit Down Start

Unit Down Stop

## NOTES

Total Inspected = Total components monitored including delay of repair items and heavy liquid phase.

Total Leaks = Total number of leaks detected including by AVO methods.

Leak Percentage = Total Leaks divided by Total Inspected - Non-rolling Average.

Not Repaired = Leaks not repaired in required time period. Includes items placed on delay of repair.

Previous DOR Total = Number of DOR items prior to the monitoring event represented in the monthly column.

New DOR Total = Number of DOR items added during the monitoring event represented in the monthly column.

<sup>\*\*</sup> If there were no DOR items during the semi-annual reporting period, no unit downtime information is required.

# DOR – Date Range – Process Unit (RPT 488)

Site:

Oneok - Antelope Hills

Proc Unit:

NSPS OOOOa Regulation:

Date Range: 1/1	1/2018 to	6/30/2018 11:59:59 PM
-----------------	-----------	-----------------------

Tag Name	Equip Cat/T	уре	Description	Source of Leak	
Start Date	End Date	Reading	Reason for Delay	Approver	Exp Shutdown Date
DOR Memo:		1			

DOR ProC Unit Totals: 0

**Dexter Field Services-Reporter 5.9** 

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# DOR - Date Range - Process Unit (RPT 488)

Site: Proc Unit: Oneok - Antelope Hills

ALL

NSPS OOOOa 1/1/2018 Regulation:

to 6/30/2018 11:59:59 PM Date Range:

Regulation Totals: 0

Approval Signature:

**Dexter Field Services-Reporter 5.9** 

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Printed by: marquita-a

6/26/2018 3:39:36 PM

Site: Oneok - Antelope Hills
Proc Unit: CONDENSATE

Regulation: NSPS 0000a

Date Range: 7/1/2017 to 6/30/2018 11:59:59 PM

Tag Name	<b>Equip Category</b>	Equip Type	Chem State	Mon Frequency	Vis. Frequency	cvs	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
1019401	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		<b>✓</b>	10/27/2017 3:55:48 PM	10	500	0464	75105861	0
10208	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		<b>✓</b>	10/27/2017 11:39:20 AM	12	500	0517	26042939	0
5815	Compressor	Single Seal	Vapor	Yearly (Jan)	Never (SS)		~	1/10/2018 2:44:45 PM	4	500	0517	26042939	0

**Dexter Field Services-Reporter 5.9** 

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Site: Oneok - Antelope Hills
Proc Unit: CONDENSATE

Regulation: NSPS 0000a

Date Range: 7/1/2017 to 6/30/2018 11:59:59 PM

Tag Name Equip Category Equip Type Chem State Mon Frequency Vis. Frequency CVS NDE Result Date Reading Leak Def Tech Inst Background

Proc Unit Totals: 3

**Dexter Field Services-Reporter 5.9** 

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Site: Oneok - Antelope Hills
Proc Unit: CRAWFORD INLET/COMP

Regulation: NSPS 0000a

Date Range: 7/1/2017 to 6/30/2018 11:59:59 PM

Tag Name Equip Category		uip Category Equip Type		Mon Frequency	Vis. Frequency	cvs	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background
102400	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		✓	10/30/2017 11:19:31 AM	12	500	0517	26042939	0
5003	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		•	10/12/2017 3:28:22 PM	13	500	0517	26042939	0
5198	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		~	10/27/2017 3:32:27 PM	4	500	0609	23543772	0
5199	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		V	10/27/2017 3:34:50 PM	3	500	0609	23543772	0
5214	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		V	10/27/2017 4:07:43 PM	229	500	0609	23543772	0
5215	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		~	10/27/2017 11:04:59 AM	3	500	0602	15248069	0

Dexter Field Services-Reporter 5.9

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Proc Unit:

Oneok - Antelope Hills

Regulation:

CRAWFORD INLET/COMP NSPS 0000a

7/1/2017 Date Range:

to 6/30/2018 11:59:59 PM

Reading Leak Def Tech Inst Background Mon Frequency Vis. Frequency cvs NDE **Result Date Equip Type** Chem State Tag Name **Equip Category** 

Proc Unit Totals: 6

**Dexter Field Services-Reporter 5.9** 

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Oneok - Antelope Hills

**Proc Unit:** 

UTILITY SYSTEM

Regulation:

NSPS OOOOa

Date Range:

to 6/30/2018 11:59:59 PM 7/1/2017

Tag Name	<b>Equip Category</b>	quip Category Equip Type Chem State Mon Frequency Vis. Frequence		Vis. Frequency	cvs	NDE	Result Date	Reading	Leak Def	Tech	Inst	Background	
029700	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		~	10/30/2017 11:00:39 AM	13	500	0464	75105861	0
029800	Valve	V-Regulator	Vapor	Yearly (Oct)	Never (SS)		V	10/27/2017 1:13:36 PM	135	500	0612	15247857	0

**Dexter Field Services-Reporter 5.9** 

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Site: Oneok - Antelope Hills
Proc Unit: UTILITY SYSTEM

Regulation: NSPS 0000a

Date Range: 7/1/2017 to 6/30/2018 11:59:59 PM

Tag Name Equip Category Equip Type Chem State Mon Frequency Vis. Frequency CVS NDE Result Date Reading Leak Def Tech Inst Background

Proc Unit Totals: 2

**Dexter Field Services-Reporter 5.9** 

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Site: Proc Unit: Oneok - Antelope Hills

UTILITY SYSTEM

Regulation: Date Range: Tag Name NSPS 0000a

7/1/2017

to 6/30/2018 11:59:59 PM **Equip Category** 

Equip Type

Chem State

Mon Frequency Vis. Frequency CVS

NDE

**Result Date** 

Reading Leak Def Tech Inst Background

Signature:

**Dexter Field Services-Reporter 5.9** 

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# **COMPONENT – ADDED – PROCESS UNIT (RPT 481)**

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Oneok - Antelope Hills Site:

Proc Unit:

Regulation: NSPS OOOOa

to 6/30/2018 11:59:59 PM 1/1/2018 Date Range:

Chem Install Date Reason Added Size State Frequency Explanation Tag Name Equip Category Equip Type Description

**Dexter Field Services-Reporter 5.9** 

6/26/2018 3:34:03 PM

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# **COMPONENT – ADDED – PROCESS UNIT (RPT 481)**

Same as Component - Added report (Components that were added within specified dates) except it pulls & sorts by Process Unit instead of Area

Oneok - Antelope Hills Site: ALL Proc Unit:

NSPS OOOOa Regulation:

Date Range:

1/1/2018 to 6/30/2018 11:59:59 PM

Size State Frequency Explanation Reason Added Install Date Tag Name Equip Category Equip Type Description

Chem

Prod Area Total: 0

**Dexter Field Services-Reporter 5.9** 

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# Component - Deleted - Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site:

Oneok - Antelope Hills

Proc Unit:

ALL

Regulation:

NSPS OOOOa

to 6/30/2018 11:59:59 PM

Date Range:	1/1/2018	to	6/30/2018 11:59:59 PM		Chei				
Tag Name	<b>Equip Category</b>	gory Equip_Type Descrip	Description	Size	State	Frequency Exp	lanation	Reason Removed	RFS Date

Dexter Field Services-Reporter 5.9

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# Component - Deleted - Process Unit (RPT 482)

Components that were removed from service within specified dates – by Process Unit

Site: Oneok - Antelope Hills

Proc Unit: ALL

Regulation: NSPS OOOOa

6/30/2018 11:59:59 PM Date Range:

Chem State Frequency Explanation RFS Date Reason Removed Description Tag Name Equip Category Equip\_Type

Proc Unit Total: 0

**Dexter Field Services-Reporter 5.9** 

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Site:

Oneok - Antelope Hills

Proc Unit:

CONDENSATE

Regulation: Date Range: NSPS OOOOa

7/1/2017

to 6/30/2018 11:59:59 PM

Tag Name	<b>Equip Category</b>	Equip Type	Chem State	Mon Frequency	Vis. Frequency	cvs	NDE	Result Date	Reading Lea	Leak Def	Tech	Inst	Backgrou	und
092300.06	Connector	Check Valve	Light Liquid	Yearly (Oct)	Never (SS)			10/27/2017 11:59:47 AM	9	500	0464	75105861	0	

**Dexter Field Services-Reporter 5.9** 

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Site: Oneok - Antelope Hills
Proc Unit: CONDENSATE

**Dexter Field Services-Reporter 5.9** 

Regulation: NSPS OOOOa

Date Range: 7/1/2017 to 6/30/2018 11:59:59 PM

Tag Name Equip Category Equip Type Chem State Mon Frequency Vis. Frequency CVS NDE Result Date Reading Leak Def Tech Inst Background

Proc Unit Totals: 1

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Oneok - Antelope Hills

Proc Unit:

CONDENSATE

Regulation: NSPS OOOOa Date Range:

7/1/2017

to 6/30/2018 11:59:59 PM

Tag Name **Equip Category** 

Mon Frequency Vis. Frequency CV5

NDE

Result Date

Reading Leak Def Tech Inst Background

**Dexter Field Services-Reporter 5.9** Printed by: marquita-a

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